APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/942,051	08/28/2001	Gregory Harman	CLICP017	7361

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EXAMINER
RONES, CHARLES

ART UNIT	PAPER NUMBER
2175	

DATE MAILED: 06/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/942,051	HARMAN ET AL.
	Examiner	Art Unit
	Charles L. Rones	2175

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _29 August 2001_.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-48_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-37,39 and 41-48_ is/are rejected.

7)☒ Claim(s) _38 and 40_ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Specification

The abstract of the disclosure is objected to because it contains more than 150

words. Correction is required. See MPEP § 608.01(b).

The title of the invention is not descriptive. A new title is required that is clearly

indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-37, 39, and 41-48 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Jamtgaard et al. U.S. Patent No. 6,340,624 ('Jamtgaard') in view of

Jordan U.S. Patent Publication No. 2002/0069157 ('Jordan').

As to claim 1,

(a) receiving content; See 5:27-53;

(b) assembling the content into a structure in a centralized format; See 5:54-67;

6:1-10;

(c) translating the content in the centralized format to a markup language

document compatible with a display environment of a viewing device; See 6:10-30;

(d) formatting the markup language document for display on the viewing device

utilizing a descriptor, wherein the descriptor defines parameters of the display

environment; See 6:10-54; 14:4-67; and

(e) outputting the formatted markup language document to the viewing device;

See 6:10-54; 14:4-67.

Jamtgaard discloses the claimed invention except for using an object oriented

structure. Jordan teaches that it is known to an object oriented structure. It would have

been obvious to one having ordinary skill in the art at the time the invention was made

to use an object oriented structure as taught by Jordan, since Jordan states at

paragraphs [0235-0241] that such a modification would allow using a tree of objects

model that maps directly to an object-oriented and hierarchical database and can also

be mapped to relational databases using traditional object-relational mapping

techniques.

As to claim 2,

wherein the object-oriented structure is a tree-type structure; See 6:10-54; 14:4-

67; Jordan: [0235-0241].

As to claim 3,

wherein the content is assembled into the object-oriented structure node by

node; See 6:10-54; 14:4-67; Jordan: [0235-0241]; Figures 12 and 14.

As to claim 4,

wherein content that is assembled into a string is parsed for translating the

content into the centralized format, wherein the translated content is assembled into the

object-oriented structure; See 10:1-56.

As to claim 5,

further comprising receiving content written in the markup language, and

outputting the content written in the markup language to the viewing device; See 6:10-

54; 14:4-67.

As to claim 6,

wherein the centralized format is an XML format; See 6:10-54; 14:4-67.

As to claim 7,

further comprising translating the content to a desired language; See 6:10-54;

14:4-67.

As to claim 8,

further comprising translating the content to a desired character set; See 6:10-54;

14:4-67.

As to claim 9,

wherein the formatting of the markup language document for display on the

viewing device is based at least in part on a display screen size of the viewing device;

See 6:10-54; 14:4-67.

As to claim 10,

wherein the formatting of the markup language document for display on the

viewing device includes parsing a table into a format that is viewable on a display of the

viewing device; See 6:10-54; 14:4-67.

As to claim 11,

wherein the formatting of the markup language document for display on the

viewing device includes splitting the markup language document into multiple pages for

display on the viewing device; See 6:10-54; 14:4-67.

As to claim 12,

wherein the formatting of the markup language document for display on the viewing device includes inserting content in a template; See 5:55-67; 6:10-54; 14:4-67; Figures 12 and 14.

As to claim 13,

wherein the display device is a wireless device; See 6:10-54; 14:4-67.

As to claim 14,

(a) computer code for receiving content; See corresponding response above;

(b) computer code for assembling the content into an object-oriented structure in a centralized format; See corresponding response above;

(c) computer code for translating the content in the centralized format to a markup language document compatible with a display environment of a viewing device; See corresponding response above;

(d) computer code for formatting the markup language document for display on the viewing device utilizing a descriptor (protocol), wherein the descriptor defines parameters of the display environment; See 2:47-67; 3:1-9; and

(e) computer code for outputting the formatted markup language document to the viewing device; See corresponding response above.

As to claim 15,

(a) logic for receiving content; See corresponding response above;

(b) logic for assembling the content into an object-oriented structure in a

centralized format; See corresponding response above;

(c) logic for translating the content in the centralized format to a markup language

document compatible with a display environment of a viewing device; See

corresponding response above;

(d) logic for formatting the markup language document for display on the viewing

device utilizing a descriptor, wherein the descriptor defines parameters of the display

environment; See corresponding response above; and

(e) logic for outputting the formatted markup language document to the viewing

device; See corresponding response above.

As to claim 16,

(a) receiving content; See above as previously addressed;

(b) assembling the content into a Document Object Model (DOM) tree in a

centralized format; See above as previously addressed;

(c) translating the content in the DOM tree to a markup language document

compatible with a display environment of a viewing device; See above as previously

addressed;

(d) formatting the markup language document for display on the viewing device;

See above as previously addressed;

(e) splitting the markup language document into multiple pages for display on the

viewing device; See above as previously addressed; and

(f) outputting the formatted markup language document to the viewing device;

See above as previously addressed.

As to claim 17,

wherein the content is assembled into the DOM tree node by node; See 5:55-67;

6:10-54; 14:4-67; Figures 12 and 14.

As to claim 18,

wherein content that is assembled into a string is parsed for translating the

content into the centralized format, wherein the translated content is assembled into the

DOM tree; See 5:55-67; 6:10-54; 14:4-67; Figures 12 and 14.

As to claim 19,

further comprising receiving content written in the markup language, and

outputting the content written in the markup language to the viewing device; See 5:55-

67; 6:10-54; 14:4-67; Figures 12 and 14.

As to claim 20,

wherein the centralized format is an XML format; See 5:55-67; 6:10-54; 14:4-67;

Figures 12 and 14.

As to claim 21,

wherein a descriptor defines parameters of the display environment, wherein the

markup language document is formatted for display on the viewing device utilizing the

descriptor; See 5:55-67; 6:10-54; 14:4-67; Figures 12 and 14.

As to claim 22,

further comprising translating the content to a desired language; See 5:55-67;

6:10-54; 14:4-67; Figures 12 and 14.

As to claim 23,

further comprising translating the content to a desired character set; See 5:55-67;

6:10-54; 14:4-67; Figures 12 and 14.

As to claim 24,

wherein the splitting of the markup language document is based at least in part

on a display screen size of the viewing device.

As to claim 25,

wherein splitting of the markup language document is based at least in part on a memory of the viewing device; See 5:55-67; 6:10-54; 14:4-67; Figures 12 and 14.

As to claim 26,

wherein the formatting of the markup language document for display on the viewing device includes parsing a table into a format that is viewable on a display of the viewing device; See 5:55-67; 6:10-54; 14:4-67; Figures 12 and 14.

As to claim 27,

wherein the formatting of the markup language document for display on the viewing device includes inserting content in a template; See 5:55-67; 6:10-54; 14:4-67; Figures 12 and 14.

As to claim 28,

wherein the display device is a wireless device; See 5:55-67; 6:10-54; 14:4-67; Figures 12 and 14.

As to claims 29-30, and 44-48, are combinations and subcombinations of previously rejected claims and are rejected for their respective reasons as stated above.

As to claim 31,

(a) receiving content; See above as previously addressed;

(b) translating the content to a markup language document compatible with a display environment of a viewing device; See above as previously addressed;

(c) splitting (deemed to be transforming and re-formatting) the markup language document into multiple items; See 10:10-67; 14:5-67;

(d) parsing the multiple items on multiple pages; See 10:10-67; 14:5-67;

(e) outputting one page of the set of pages to the viewing device, wherein the one page has a pointer (link) to at least one of the other pages; See 16:24-35.

As to claim 32,

wherein each item is placed on a separate page; See Figs. 16 and 18B; 14:30-50; 18:24-40.

As to claim 33,

wherein each of the pages includes a header; See Figs. 16 and 18B.

As to claim 34,

wherein an item (card) is split across multiple pages if the item is too large for a memory of the viewing device; See 8:1-25; 18:24-40.

As to claim 35,

wherein a tag of the item is not split.

As to claim 36,

wherein a split is made within contents of a tag, wherein the tag is placed on

each of the multiple pages; See 8:1-25; 14:30-50; 18:24-40.

As to claim 37,

wherein an item is split across multiple pages if the item is too large for a display

screen size of the viewing device; See 8:1-25; 14:30-50; 18:24-40.

As to claim 39,

wherein a split is made within contents of a tag, wherein the tag is placed on

each of the multiple pages See 8:1-25; 14:30-50; 18:24-40.

As to claim 41,

wherein selected portions of the content are used to organize the pages See 8:1-

25; 10:21-55; 18:24-40.

As to claim 42,

wherein pages not being output to the viewing device are stored in a cache

deemed to be inherent that pages are stored in a cache until output.

As to claim 43,

wherein the cached pages are deleted upon closing of a session deemed to be

inherent that pages are removed from the cache when closed.

Allowable Subject Matter

Claims 38 and 40 are objected to as being dependent upon a rejected base

claim, but would be allowable if rewritten in independent form including all of the

limitations of the base claim and any intervening claims.

As to claims 38 and 40, the following is an Examiner's statement of reasons for

the indication of allowable subject matter: The prior art of record does not disclose,

make obvious, or otherwise suggest the structure of the applicant's method of wherein a

tag wherein a tag of the item is not split or wherein words are not split together with the

other limitations of the independent claims. The dependent claims being further limiting

and definite are also allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably **accompany** the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles L. Rones whose telephone number is 703-306-3030. The examiner can normally be reached on Monday-Thursday 8am-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 703-305-3830. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).
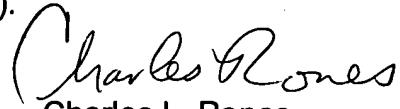
Charles L. Rones
Primary Examiner
Art Unit 2175

June 22, 2004